

1                   d. Rigid guide means connected to the front end of the  
2 platform;

3                   e. Lifting means attached to the rigid guide means for  
4 lifting the platform and treadmill.

5 *Sbury 28* 2. The aquatic therapy tank apparatus in claim <sup>27</sup> ~~1~~ having  
6 additional means for supporting the platform and treadmill in the  
7 tank comprised of at least two elongated rigid supporting members  
8 each such member having two opposing ends, one member having one  
9 end slidably connected to the platform and the opposing end affixed  
10 and pivotably connected to the tank near the front end of the tank,  
11 and the other elongated rigid member having one end slidably  
12 connected to the tank near the bottom and one end affixed and  
13 pivotably connected near the front end of the platform, and wherein  
14 the two elongated rigid members are pivotably connected to each  
15 other near the center at a center pivot point.

16 *29 A.* The aquatic therapy tank apparatus in claim <sup>27</sup> ~~1~~ wherein the  
17 treadmill driving means is comprised of rotational motor means  
18 connected to a first flexible linkage having two ends about which  
19 the linkage rotates, a first end and a second end, said first end  
20 rotatably connected to the rotational drive means, and the second  
21 end connected so as to rotate about the center pivot point of the  
22 treadmill rigid members, and a second flexible linkage having two  
23 ends about which said second flexible linkage rotates, a first end  
24 rotatably connected to the center pivot point, and a second  
25 opposing end rotatably connected to the end of the rigid member  
26 pivotably connected to the front end of the platform, and a third  
27 flexible linkage pivotably connected to the second end of the  
28 second flexible means, and having a second end pivotably connected

1 to one end of the treadmill so as allow rotation of the treadmill. 2

2 3. The aquatic therapy tank apparatus in claims 1, 2 or 3  
3 wherein the tank has a plurality of jet nozzles in at least one  
4 side through which water flows at the desired rate of flow into the  
5 tank, and having means for adjusting said water flow rate control  
6 means comprised of a water pump pumping at a rate responsive to the  
7 amount of electrical current to the pump and having means for  
8 adjusting the amount of electrical current provided to the pump. 2

9 4. The aquatic therapy tank apparatus in claims 1, 2, 3 or  
10 3 having means for monitoring the speed of the treadmill, means for  
11 monitoring the desired chemical requirements of the water, means for  
12 adjusting the chemical requirements of the water, means for  
13 monitoring the rate of water flow and means for electronically  
14 adjusting the same, memory and electronic microprocessor means for  
15 recording and adjusting said monitored items, and having remote  
16 control means for operating the microprocessor control system to  
17 allow operation of the system from inside the tank. 1 2

18 5. The aquatic therapy tank apparatus in claims 1, 2, 3 or  
19 3 having water therein with a predetermined chemical composition  
20 and having electrical means for sensing electrical signals  
21 representing the status of at least one of the elements of speed of  
22 the treadmill, chemical content of the water, and rate of water  
23 flow, and having means for sending corresponding electrical signals  
24 representing said respective status signals, means for electrically  
25 isolating the sensing means from the microprocessor control means,  
26 means electrically connected to the microprocessor for storing said  
27 data, output means connected to the microprocessor for sending  
28 control signals responsive to each of the monitored sensing means,